

Converting Colors

CIELCh(77, 5.553, 61.905)

Have a look what the booklet for
CIELCh(77, 5.553, 61.905) contains.

CIELCh(77, 5.588, 61.583)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(77, 5.588, 61.583)

Conversions

Conversions Part 1

Format	Color
Hex	C7BCB5
RGB	199, 188, 181
RGB Percent	78%, 74%, 71%
CMY	0.2190, 0.2622, 0.2896
CMYK	0.00, 0.06, 0.09, 0.22
HSL	23°, 14%, 75%
HSV	23°, 9%, 78%
XYZ	49.9606, 51.5317, 51.1065
YIQ	190.4910, 8.8030, 0.1550

Conversions

Conversions Part 2

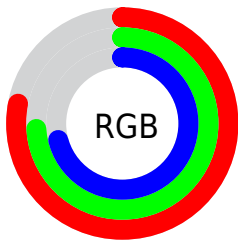
Format	Color
RYB	199, 192, 181
Decimal	13089973
CIELab	77.00, 2.66, 4.91
CIElCh	77, 5.588, 61.583
Yxy	51.5317, 0.3274, 0.3377
Android (android.graphics.Color)	4291280053 (0xFFC7BCB5)
YUV	190.4910, -4.6791, 7.4624
Hunter-Lab	71.7856, -1.3942, 8.0395

Details

The CIELCh color $77, 5.588, 61.583$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 5.386, 243.621$, and the grayscale version is $77, 0.009, 296.813$.

A 20% lighter version of the original color is $97, 5.301, 61.745$, and $57, 5.674, 64.059$ is the 20% darker color. If you saturate the color by 10%, you get $73, 12.157, 60.685$, and if you desaturate by 10%, it is $81, 0.582, 243.441$.

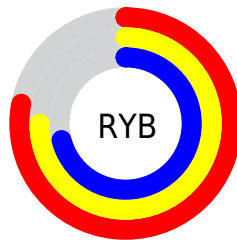
Distribution



Red (78%)

Green (74%)

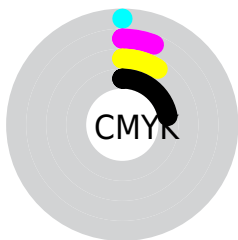
Blue (71%)



Red (78%)

Yellow (75%)

Blue (71%)

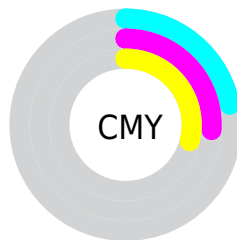


Cyan (0%)

Magenta (6%)

Yellow (9%)

Black (22%)



Cyan (22%)

Magenta (26%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 5.588, 61.583 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 77, 5.588, 61.583 by changing the saturation by 10% instead.

 77, 5.588, 61.583  77, 5.588, 61.583

 100, 5.588, 61.583  67, 5.588, 61.583

 97, 5.588, 61.583  57, 5.588, 61.583

 47, 5.588, 61.583

 37, 5.588, 61.583

 27, 5.588, 61.583

 17, 5.588, 61.583

 7, 5.588, 61.583

 0, 5.588, 61.583

 77, 5.588, 61.583

 77, 5.588, 61.583

73, 12.157, 60.685

81, 0.582, 243.441

70, 19.163, 59.762

84, 6.397, 243.721

66, 26.635, 58.872

88, 11.896,
244.662

63, 34.581, 58.030

92, 15.290,
236.987

60, 42.956, 57.231

57, 51.621, 56.436

95, 16.569,
209.261

54, 60.231, 55.534

96, 18.362,
198.291

51, 68.063, 54.261

49, 74.270, 52.373

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



77, 5.588, 61.583



77, 5.386, 243.621

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77, 5.588, 61.583



77, 5.588, 111.583



77, 5.588, 241.583



77, 5.588, 291.583

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



77, 5.588, 61.607



99, 2.221, 62.030



76, 8.994, 338.491



52, 1.689, 62.003



0, 0.000, 0.000



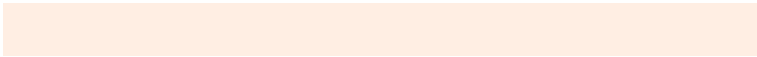
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 5.588, 61.607



95, 8.369, 61.416



79, 8.478, 104.021



40, 3.506, 61.577



40, 64.278, 52.791



6, 13.158, 45.479

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



77, 5.386, 243.621



95, 7.986, 243.859



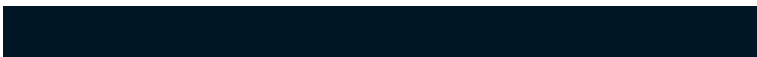
75, 8.615, 286.001



40, 3.374, 243.659



41, 40.984, 270.293



6, 12.334, 258.374

Previews

White Background



This preview shows how the CIELCh color 77, 5.588, 61.583 looks on a white background.

Color Contrast Check

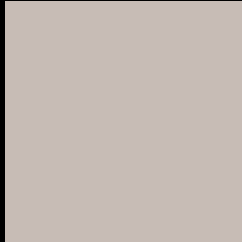
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 77, 5.588, 61.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

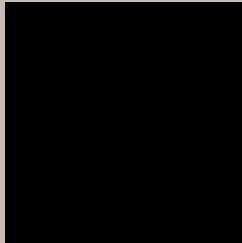
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 5.588, 61.583

Background



This preview shows how black text looks on a background with the CIELCh color 77, 5.588, 61.583.

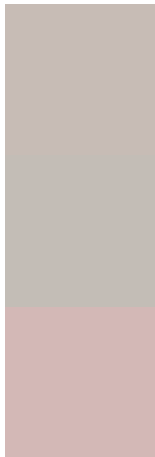


This preview shows how white text looks on a background with the CIELCh color 77, 5.588, 61.583.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77, 5.588, 61.583

Protanopia

77, 4.358, 78.567

Deuteranopia

77, 10.367, 26.085



Tritanopia
77, 10.227, 328.274

Trichromacy



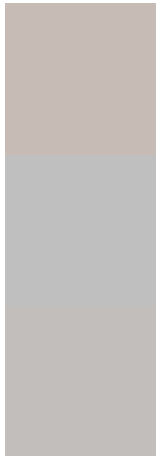
Original Color
77, 5.588, 61.583

Protanomaly
77, 4.793, 70.759

Deuteranomaly
77, 8.275, 34.893

Tritanomaly
77, 6.737, 346.059

Monochromacy



Original Color
77, 5.588, 61.583

Achromatopsia
77, 0.009, 296.813

Achromatomaly
77, 2.174, 66.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 5.588, 61.583 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(199, 188, 181)` looks like.

```
.text, #text, p{  
    color:rgb(199, 188, 181)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(199, 188, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 188, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 5.588, 61.583 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(199, 188, 181) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(199, 188, 181) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(199, 188, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 188, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 188, 181);  
box-shadow:4px 4px 4px 4px rgb(199, 188,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 5.588, 61.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 188, 181) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(199,  
188, 181) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor